

10/697,048

AMENDED SPECIFICATION TEXT, INCORPORATING AMENDMENTS,
IN RESPONSE TO OFFICE ACTION DATED JUNE 11, 2007
FOR SERIAL NO. 10/697,048

Page 3 lines 23, 24, pg. 4

10/10-08 Please insert the following replacement text on ~~Page 4~~, lines 1-10:

The present invention is a new photovoltaic device based on carbon in the form of diamond which can function as a high efficiency solar cell and a method of making same. The discovery, development characterization and uses of ultrananocrystalline diamond films (UNCD) that is diamond having average diameters in the range of from about 3 nanometers to about 15 nanometers has been the subject of a number of earlier patents, such as U.S. patent no. 5,989,511, and 10/998,329 filed April 4, 2003, the disclosures of which are herein incorporated by reference, teach the nitrogen doping of UNCD films to enhance the electrical conductivity and therefore the electron emission and electrochemical properties of UNCD. The nature of the carriers giving rise to the conductivity has been found to be n-type by Hall effect measurements.